

SEN Perimeter Firewall Implementation Status

TCP/UDP ports 0 to 1023 are blocked both in and outbound at the SEN Firewall unless listed in the table below.

TCP/UDP ports greater than 1023 are blocked inbound at the SNE Firewall unless an approved waiver is in place.

"Well Known Ports"

The following table lists the "well-known" services that are accessible through the SEN firewall. Any service using ports 0-1023 not listed is blocked by default incoming and outgoing. Ports 1024-65535 are blocked inbound by default. Waivers must be submitted for these ports (refer to the SFRB process).

Default SEN Firewall Ruleset:

Port	Description	Inbound	Outbound	Comments
21/tcp	File Transfer control channel Protocol (FTP)	Deny	Permit	Unless registered by system admin.
22/tcp	Secure Shell (SSH)	Deny	Permit	unless registered by System Admin.
23/tcp	Telnet	Hard Deny	Permit	Based on GSFC PCB directive inbound access requires prior PCB approval
25/tcp	Simple Mail Transfer Protocol (SMTP)	Deny	Deny	Waivers may be requested.
43/tcp	Whois, nickname	Deny	Permit	
53/tcp/udp	Domain Name System	Deny	Permit	Inbound access restricted to SEN DNS Server
80/tcp	World Wide Web (WWW)	Deny	Permit	Waivers may be requested via the GSFC Web Council
110/tcp	Post Office Protocol (POP) - v3	Deny	Permit	Waivers may be requested via the GSFC CIO
113/tcp	Authentication Service	Deny	Permit	
119/tcp	Network News Transfer Protocol (NNTP)	Deny	Permit	
135/tcp/udp	MS RPC	Hard Deny	Hard Deny	Based on GSFC-PCB directive access requires prior PCB approval

137/udp	NB-Name	Hard Deny	Hard Deny	Based on GSFC-PCB directive access requires prior PCB approval
138/udp	NB-Datagram	Hard Deny	Hard Deny	Based on GSFC-PCB directive inbound access requires prior PCB approval
139/tcp	NB-Session	Hard Deny	Hard Deny	Based on GSFC-PCB directive access requires prior PCB approval
143/tcp	Internet Message Access Protocol v2	Deny	Permit	Waivers may be requested.
220/tcp	IMAPv3	Deny	Permit	
443/tcp	http protocol over TLS (https)	Deny	Permit	Waivers may be requested via the GSFC Webmaster
445/tcp	SMB Protocol	Hard Deny	Hard Deny	Based on GSFC-PCB directive access requires prior PCB approval
481/tcp	Ph Service	Deny	Permit	
554/tcp	Real Time Stream Control Protocol	Deny	Permit	
993/tcp	IMAP4 over TLS/SSL	Deny	Permit	Waivers may be requested via the GSFC CIO
995/tcp	POP3 over TLS/SSL	Deny	Permit	Waivers may be requested via the GSFC CIO
8080/tcp	Http-Alt	Deny	Permit	

Ports Closed by the GSFC-ITSM for Security Concerns:

Port	Description	Inbound	Outbound	Comments
996/udp		Deny	Deny	
997/udp		Deny	Deny	
998/udp		Deny	Deny	
999/udp		Deny	Deny	
1080/tcp	Wingate	Deny	Deny	
1214/tcp/udp	Kazza	Deny	Deny	
1433/tcp/udp	Microsoft SQL Server	Deny	Deny	
1434/tcp/udp	Microsoft SQL Monitor	Deny	Deny	
1524/tcp/udp	playboy.com hack	Deny	Deny	
1639/tcp/udp	Cert Initiator	Deny	Deny	
2002/tcp/udp	Apache/mod_ssl Worm	Deny	Deny	
3127/tcp/udp	CTX Bridge Port Deny	Deny		

3198/tcp/udp		Deny	Deny	
4099/tcp/udp	In response to a specific security threat	Deny	Deny	
5190/tcp	America Online (AOL) Client and Instant Messenger	Deny	Deny	
5554/tcp	SGI HTTP	Deny	Deny	
6112/tcp/udp	dtspcd/multiplayer games	Deny	Deny	
6129/tcp	DameWare Mini Remote Control < v3.73 remote exploit	Deny	Deny	
6346/tcp/udp	gnutella-svc	Deny	Deny	
6347/tcp/udp	gnutella-svc	Deny	Deny	
6667/tcp/udp	Deny	Deny		
6699/tcp	napster/MP3 Sharing	Deny	Deny	
8875/tcp	napster-metaserver	Deny	Deny	
8888/tcp	napster	Deny	Deny	
8998/udp		Deny	Deny	
9996/tcp		Deny	Deny	
10080/tcp/udp	Amanda	Deny	Deny	

Please refer any questions or comments to sen-help@sci.gsfc.nasa.gov.